

[Please AMEND the paragraph beginning at page 42, line 21, as follows:]

A1  
A second WDM optical signal separated by the coupler 63 is input via an FBG 77 to a PD 67, where it is subjected to photoelectric conversion. The central wavelength of the pass-band of the FBG 77 is so set that the FBG 77 passes only light of channel-1 of the S<sup>+</sup>-band WDM optical signal, that is, light of shortest-wavelength channel in the S<sup>+</sup> band. Therefore, a current value obtained by the PD 67 through photoelectric conversion corresponds to the optical power of the shortest-wavelength channel in the S<sup>+</sup> band. The PD 67 outputs the current to the operation unit 68.

Please AMEND the paragraph beginning at page 50, line 37, as follows:

A2  
As shown in Fig. 12, t optical senders 80-1 to 80-t generate optical signals corresponding to channel-1 to channel-t of the C band, respectively. For example, each of the optical senders 80-1 to 80-t can be composed of a semiconductor laser for emitting laser beam having a wavelength that is assigned to the associated channel, an MZ modulator for modulating the laser beam with information to be sent out, and a control section for driving and controlling the semiconductor laser and the MZ modulator. Each of the optical senders 80-1 and 80-t is controlled, as to whether to generate an optical signal, through a control signal that is supplied from a monitoring/control circuit 82.

Please AMEND the paragraph beginning at page 54, line 7, as follows:

A3  
The L-band WDM optical signal that is input to the GS-EDFA 34B is amplified by the GS-EDFA 34B whose output is controlled by the monitoring/control circuit 85B. The amplified L-band WDM optical signal is input to the WDM coupler 35B.

#### IN THE CLAIMS:

Please REPLACE claim 34 in accordance with the following:

34. (ONCE AMENDED) The optical transmission system according to claim 29, wherein said optical receiving apparatus comprises a spectrum detecting section for detecting a spectrum of the optical signal and outputting a result of said detection to the optical sending apparatus, and wherein